

Converting Colors

$Y_{xy}(28.8092, 0.4569, 0.4754)$

Have a look what the booklet for
Yxy(28.8092, 0.4569, 0.4754)
contains.

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Color

Yxy(28.8750, 0.4567, 0.4756)

Conversions

Conversions Part 1

Format	Color
Hex	B08F00
RGB	176, 143, 0
RGB Percent	69%, 56%, 0%
CMY	0.3098, 0.4392, 1.0000
CMYK	0.00, 0.19, 1.00, 0.31
HSL	49°, 100%, 35%
HSV	49°, 100%, 69%
XYZ	27.7275, 28.8750, 4.1103
YIQ	136.5650, 65.5710, -37.4770

Conversions

Conversions Part 2

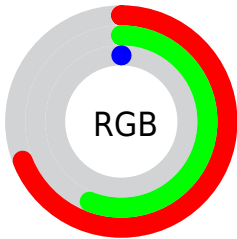
Format	Color
RYB	41, 176, 0
Decimal	11570944
CIELab	60.67, 1.13, 65.10
CIELCh	61, 65.110, 89.005
Yxy	28.8750, 0.4567, 0.4756
Android (android.graphics.Color)	4289761024 (0xFFB08F00)
YUV	136.5650, -67.3265, 34.5845
Hunter-Lab	53.7355, -1.9310, 33.0797

Details

The Yxy color **28.8750, 0.4567, 0.4756** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.2225, 0.1550, 0.0781**, and the grayscale version is **25.0848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7677, 0.4353, 0.4533**, and **11.7506, 0.4621, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **28.8765, 0.4567, 0.4756**, and if you desaturate by 10%, it is **29.9244, 0.4491, 0.4742**.

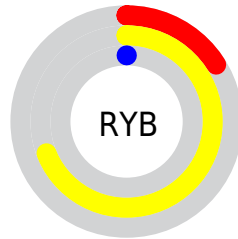
Distribution



Red (69%)

Green (56%)

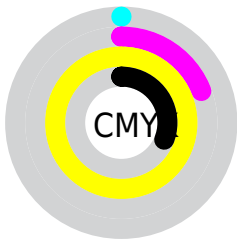
Blue (0%)



Red (16%)

Yellow (69%)

Blue (0%)

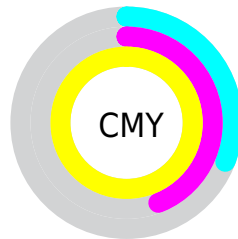


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8750, 0.4567, 0.4756 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 28.8750, 0.4567, 0.4756 by changing the saturation by 10% instead.

 28.8750, 0.4567,
0.4756


 28.8750, 0.4567,
0.4756


296.6247, 0.3884,
0.4067


 18.9863, 0.4690,
0.4877


 57.8784, 0.4346,
0.4536


 11.6604, 0.4834,
0.5015


 77.7619, 0.4254,
0.4442

 6.5129, 0.4915,
0.5085


 101.7458, 0.4172,
0.4360

 3.1594, 0.4926,
0.5074

 130.2145, 0.4100,
0.4286

 1.2155, 0.4946,
0.5054

 163.5523, 0.4036,
0.4222

 0.0743, 0.5693,
0.4307

 202.1437, 0.3979,

 0.0000, 0.0000,


0.4164


0.0000


 246.3730, 0.3929,
0.4113


 28.8750, 0.4567,
0.4756


 28.8750, 0.4567,
0.4756


 28.8765, 0.4567,
0.4756

 29.9244, 0.4491,
0.4742

 31.0395, 0.4392,
0.4692

 32.2368, 0.4265,
0.4596

 33.5233, 0.4117,
0.4460

 34.9052, 0.3953,
0.4292

■ 36.3878, 0.3781,
0.4101

■ 37.9761, 0.3608,
0.3899

■ 39.6744, 0.3439,
0.3692

■ 41.4871, 0.3278,
0.3487

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.8750, 0.5121, 0.4032



28.8750, 0.4567, 0.4756



28.8750, 0.3693, 0.5252

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.8750, 0.4567, 0.4756



28.8750, 0.1493, 0.2771



28.8750, 0.3255, 0.2144

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.8750, 0.4567, 0.4756



4.2225, 0.1550, 0.0781

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.8750, 0.2298, 0.1839



28.8750, 0.4567, 0.4756



28.8750, 0.1430, 0.2074

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.8750, 0.4567, 0.4756



28.8750, 0.1928, 0.3917



28.8750, 0.1692, 0.1798



28.8750, 0.4350, 0.2669

Rectangle

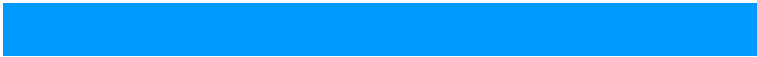
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.8750, 0.4567, 0.4756



28.8750, 0.3048, 0.5197



28.8750, 0.1692, 0.1798



28.8750, 0.2903, 0.2015

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.8765, 0.4567, 0.4756



68.7161, 0.3617, 0.3909



9.3532, 0.6067, 0.3116



14.6311, 0.3688, 0.3994



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.8765, 0.4567, 0.4756



52.0558, 0.4574, 0.4750



35.2784, 0.3675, 0.5464



9.6304, 0.3268, 0.3474



21.2660, 0.4562, 0.4760



0.7391, 0.4442, 0.4855

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.2225, 0.1550, 0.0781



7.4152, 0.1544, 0.0760



3.8863, 0.1705, 0.0713



8.4795, 0.2985, 0.3099



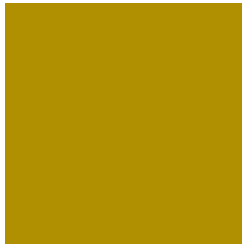
3.1634, 0.1554, 0.0795



0.1762, 0.1688, 0.1277

Previews

White Background



This preview shows how the Yxy color 28.8750, 0.4567, 0.4756 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 28.8750, 0.4567, 0.4756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8750, 0.4567, 0.4756

Background



This preview shows how black text looks on a background with the Yxy color 28.8750, 0.4567, 0.4756.



This preview shows how white text looks on a background with the Yxy color 28.8750, 0.4567, 0.4756.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.8750, 0.4567, 0.4756

Protanopia

28.8821, 0.4384, 0.4872

Deuteranopia

28.8086, 0.4689, 0.4608



Tritanopia

28.8255, 0.3592, 0.3150

Trichromacy



Original Color

28.8750, 0.4567, 0.4756

Protanomaly

29.0016, 0.4446, 0.4836

Deuteranomaly

28.7188, 0.4654, 0.4655

Tritanomaly

28.3499, 0.4130, 0.3948

Monochromacy



Original Color

28.8750, 0.4567, 0.4756

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.7327, 0.3814, 0.4138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8750, 0.4567, 0.4756 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(176, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 143, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(176, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.8750, 0.4567, 0.4756 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 143, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(176, 143, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(176, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 143,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8750, 0.4567, 0.4756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 143, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(176,  
143, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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